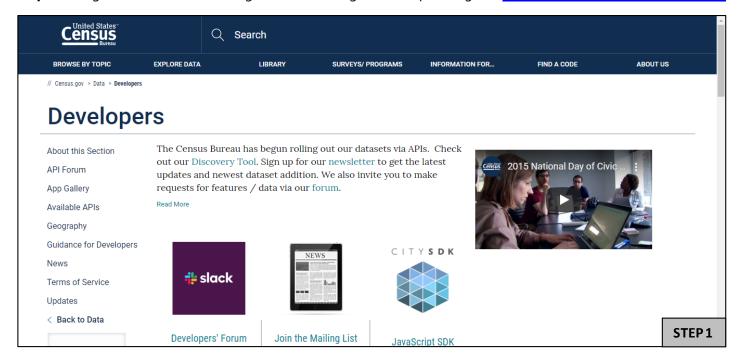
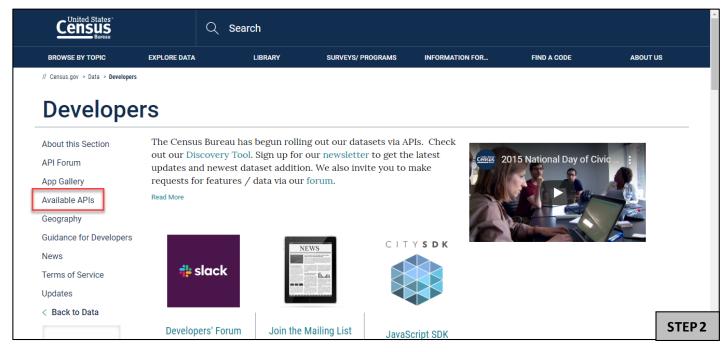
Instruction for Downloading Data from the Census Data API: Decennial Census Self-Response Rates (2010) for All Census Tracts in California

Follow these steps for building an API call (or a URL) for pulling data from the Decennial Census Self-Response Rates (2010) for All Census Tracts in California.

Step 1: Using Chrome web browser, go to the census.gov Developers Page at: https://www.census.gov/developers/.



Step 2. On the left side of the screen, click on "Available APIs".



Step 3: Scroll down the page and click on Decennial Census Self-Response Rates (2010).



Step 4. Scroll down until you see "Decennial Self-Response Rates 2010." Click on https://api.census.gov/data/2010/dec/responserate.html

2010

Decennial Self-Reponse Rates 2010

API Call: api.census.gov/data/2010/dec/responserate

Examples and Supported Geographies:
 api.census.gov/data/2010/dec/responserate.html

Variables: api.census.gov/data/2010/dec/responserate/variables.html

Example call:
 api.census.gov/data/2010/dec/responserate?
 get=GEO_ID,FSRR2010&for=state:*&key=YOUR_KEY_GOES_HERE

Step 5. Click on "examples."

step 3. Click c	л скаттрт											
Census API: Datasets in /data/2010/dec/responserate and its descendants												
Title	Description	Vintage			Geography List					veloper cumentation	API Base URL	
Decennial Census: Decennial Self-Reponse Rate	Final 2010 Self- Response Rates		dec> responserate	Aggregate	geographies	<u>variables</u>	<u>groups</u>	<u>examples</u>	900	cumentation	https://api.census.gov/data/2010/dec/responserate	
			1	dataset							STEP5	

Step 6. Under state county tract. Copy/paste the URL into Firefox or Chrome if you are not already using these web browsers.

https://api.census.gov/data/2010/dec/responserate?get=GEO_ID,FSRR2010&for=tract:*&in=state:01&key=YOUR_KEY_GOES_HERE

We are going to use this URL to build an API call for decennial census self-response rates (2010) for all census tracts in California.

Census API: Examples for /data/2010/dec/responserate								
Geography Hierarchy	Geography Level	Example URL	Number					
us	010	https://api.census.gov/data/2010/dec/responserate?get=GEO_ID.FSRR2010&for=us:*&key=YOUR_KEY_GOES_HERE	1					
		https://api.census.gov/data/2010/dec/responserate?get=GEO_ID.FSRR2010&for=us:1.&key=YOUR_KEY_GOES_HERE	2					
region	020	https://api.census.gov/data/2010/dec/responserate?get=GEO_ID.FSRR2010&for=region:*&key=YOUR_KEY_GOES_HERE	3					
		https://api.census.gov/data/2010/dec/responserate?get=GEO_ID.FSRR2010&for=region:1&key=YOUR_KEY_GOES_HERE	4					
state	040	https://api.census.gov/data/2010/dec/responserate?get=GEO_ID_FSRR2010&for=state:*&key=YOUR_KEY_GOES_HERE	5					
State Control of the	0.0	https://api.census.gov/data/2010/dec/responserate?get=GEO_ID.FSRR2010&for=state:01&key=YOUR_KEY_GOES_HERE	6					
		https://api.census.gov/data/2010/dec/responserate?get=GEO_ID.FSRR2010&for=county:*&key=YOUR_KEY_GOES_HERE	7					
state> county	050	https://api.census.gov/data/2010/dec/responserate/get=GEO_ID_FSRR2010&for=county: *∈=state: *&key=YOUR_KEY_GOES_HERE	8					
		https://api.census.gov/data/2010/dec/responserate?get=GEO_ID_FSRR2010&for=county:003∈=state:01&key=YOUR_KEY_GOES_HERE	9					
		https://api.census.gov/data/2010/dec/responserate?get=GEO_ID_FSRR2010&for=county%20subdivision:*∈=state:09&key=YOUR_KEY_GOES_HERE	10					
state> county> county subdivision	060	https://api.census.gov/data/2010/dec/responserate?get=GEO_ID_FSRR2010&for=county%20subdivision:*∈=state:09∈=county:*&key=YOUR_KEY_GOES_HERE	11					
		https://api.census.gov/data/2010/dec/responserate/get=GEO_ID_FSRR2010&for=county%20subdivision:04720∈=state:09%20county:001&key=YOUR_KEY_GOES_HERE	12					
		https://api.census.gov/data/2010/dec/responserate?get=GEO_ID_FSRR2010&for=tract:*∈=state:01&key=YOUR_KEY_GOES_HERE	13					
state> county> tract	140	https://api.census.gov/data/2010/dec/responserate?get=GEO_ID.FSRR2010&for=tract.*∈=state:01∈=county:*&key=YOUR_KEY_GOES_HERE	14					
		https://api.census.gov/data/2010/dec/responserate?get=GEO_ID_FSRR2010&for=tract:020500∈=state:01%20county:001&key=YOUR_KEY_GOES_HERE	15					
	160	https://api.census.gov/data/2010/dec/responserate?get=GEO_ID_FSRR2010&for=place:*&key=YOUR_KEY_GOES_HERE	16					
state> place		https://api.census.gov/data/2010/dec/responserate?get=GEO_ID.FSRR2010&for=place:*∈=state:*&key=YOUR_KEY_GOES_HERE	17					
		https://api.census.gov/data/2010/dec/responserate?get=GEO_ID.FSRR2010&for=place:32875∈=state:20&key=YOUR_KEY_GOES_HERE	18					
state> consolidated city	170	https://api.census.gov/data/2010/dec/responserate?get=GEO_ID.FSRR2010&for=consolidated%20city;*∈=state:21&key=YOUR_KEY_GOES_HERE	19					
state) consolidated city	170	https://spi.census.gov/data/2010/dec/responserate?get=GEO_ID.FSRR2010&for=consolidated%20city_48003∈=state;21&key=YOUR_KEY_GOES_HERE	20					
american indian area/alaska native area/hawaiian home land	250	https://api_census_gov/data/2010/dec/responserate? get=GEO_ID_FSRR2010&for=american%20indian%20area/alaska%20native%20area/hawaiian%20home%20land:*&key=YOUR_KEY_GOES_HERE	21					
american mulan area alaska nativé area/nawalian nomé land		https://api.census.gov/data/2010/dec/responserate?get=GEO_ID_FSRR2010&for=american%20indian%20area/alaska%20native%20area/hawaiian%20home%20land/6815&key=YOUR_KEY_GOES_HERE	STEP 6					
		144-1/1-11-11-11-11-11-11-11-11-11-11-11-11						

Step 7. There are three parts of the URL that you will need to change:

- a) First, add the geographic area name, NAME, to the URL.

 At the (?get=) portion of the URL add "NAME," Adding NAME will give us the labels associated with the geographies instead of only the geographic code.
- https://api.census.gov/data/2010/dec/responserate?get=NAME, GEO_ID,FSRR2010&for=tract:*&in=state:01&key=YOUR_KEY_GOES_HERE
- b) Since we want to build a URL for the all census tracts in California, change the (=state:01) to (=state:06).

 https://api.census.gov/data/2010/dec/responserate?get=NAME,GEO_ID,FSRR2010&for=tract:*&in=state:06&key=YOUR_KEY_GOES_HERE
- c) Last, delete the portion of the URL, **&key=YOUR_KEY_GOES_HERE**.
 - https://api.census.gov/data/2010/dec/responserate?get=NAME,GEO_ID,FSRR2010&for=tract:*&in=state:06

Step 8: After making these adjustments to the URL, the final query is:

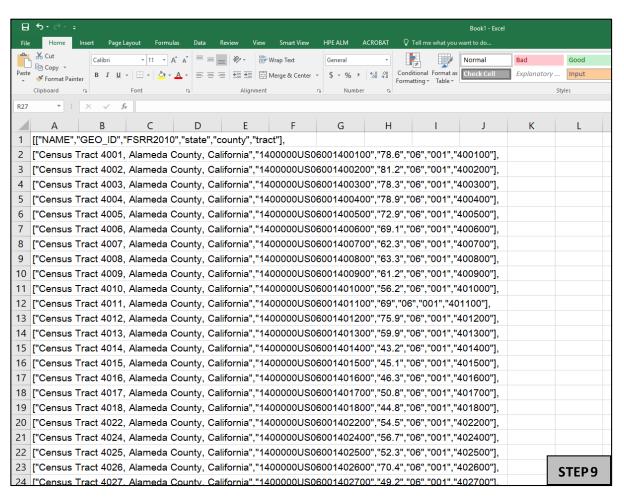
https://api.census.gov/data/2010/dec/responserate?get=NAME,GEO_ID,FSRR2010&for=tract:*&in=state:06

Hit the Enter key to pull the results. The results are in json format. Below are the first few lines.

```
"NAME","GEO_ID","FSRR2010","state","county","tract"],
           ["NAME", "GEO_ID", "FSRR2010", state , county , tract ], "Census Tract 4001, Alameda County, California", "1400000US06001400100", "78.6", "06", "001", "400100"], "Census Tract 4002, Alameda County, California", "1400000US06001400200", "81.2", "06", "001", "400200"], "Census Tract 4003, Alameda County, California", "1400000US06001400300", "78.3", "06", "001", "400300"], "Census Tract 4004, Alameda County, California", "1400000US06001400400", "78.9", "06", "001", "400400"], "Census Tract 4004, Alameda County, California", "1400000US06001400400", "78.9", "06", "081", "4004000"], "100000US06001400400", "78.9", "081", "40010000US06001400400", "78.9", "081", "40010000US060014004000", "78.9", "081", "40010000US06001400400", "78.9", "081", "4000000US06001400400", "78.9", "081", "400000US06001400400", "78.9", "081", "400000US06001400000US0600140000, "78.9", "081", "400000US0600140000, "78.9", "081", "400000US0600140000, "78.9", "400000US0600140000, "78.9", "400000US0600140000, "400000US0600140000, "78.9", "4000000US0600140000, "4000000US0600140000, "78.9", "4000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "400300"].
          "Census Tract 4004, Alameda County, California",
                                                                                                                                                                                                                                                                                                                                                                                                "140000US06001400500","72.9","06"
"140000US06001400500","72.9","06"
"140000US06001400600","69.1","06"
        "Census Tract 4005, Alameda County, California",
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ,"06"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "400500"1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "001"
             "Census Tract 4006, Alameda County, California",
                                                                                                                                                                                                                                                                                                                                                                                              ,"1400000US06001400700","62.3","06"
,"1400000US06001400800","63.3","06"
                'Census Tract 4007, Alameda County, California'
          "Census Tract 4008, Alameda County, California",
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "001"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "400800"
["Census Tract 4009, Alameda County, California", "1400000US06001400900", "61.2", "06", "001", "400900" ["Census Tract 4010, Alameda County, California", "1400000US06001401000", "56.2", "06", "001", "401000" ["Census Tract 4011, Alameda County, California", "1400000US06001401100", "69", "06", "001", "401100"], ["Census Tract 4012, Alameda County, California", "1400000US06001401200", "75.9", "06", "001", "401200" ["Census Tract 4013, Alameda County, California", "1400000US06001401200", "75.9", "06", "001", "401300" ["Census Tract 4014, Alameda County, California", "1400000US06001401300", "59.9", "06", "001", "401400" ["Census Tract 4015, Alameda County, California", "1400000US06001401500", "45.1", "06", "001", "401500" ["Census Tract 4016, Alameda County, California", "1400000US06001401500", "45.1", "06", "001", "401500" ["Census Tract 4017, Alameda County, California", "1400000US06001401700", "50.8", "06", "001", "401800" ["Census Tract 4024, Alameda County, California", "1400000US06001401700", "50.8", "06", "001", "401800" ["Census Tract 4024, Alameda County, California", "1400000US06001401200", "54.5", "06", "001", "402200" ["Census Tract 4024, Alameda County, California", "1400000US060014012000", "54.7", "06", "001", "402200" ["Census Tract 4024, Alameda County, California", "1400000US06001402200", "56.7", "06", "001", "402200" ["Census Tract 4025, Alameda County, California", "1400000US06001402200", "56.7", "06", "001", "402500" ["Census Tract 4026, Alameda County, California", "1400000US06001402200", "70.4", "06", "001", "402500" ["Census Tract 4027, Alameda County, California", "1400000US06001402200", "70.4", "06", "001", "402500" ["Census Tract 4027, Alameda County, California", "1400000US06001402200", "70.4", "06", "001", "402500" ["Census Tract 4027, Alameda County, California", "1400000US06001402200", "70.4", "06", "001", "402500" ["Census Tract 4027, Alameda County, California", "1400000US06001402200", "70.4", "06", "001", "402500" ["Census Tract 4028, Alameda County, California", "1400000US060014022
          "Census Tract 4009, Alameda County, California","1400000US06001400900","61.2",
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ."06"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "001"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       '4aaqaa'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "401300"]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        '401400" ]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "401800"]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "402600"1.
          "Census Tract 4028.01, Alameda County, California", "1400000US06001402801", "63.8", "06", "001", "402801", "Census Tract 4028.02, Alameda County, California", "140000US06001402802", "59.9", "06", "001", "402802", "59.9", "06", "001", "402802", "59.9", "06", "001", "402802", "59.9", "06", "001", "402802", "59.9", "06", "001", "402802", "59.9", "06", "001", "402802", "59.9", "06", "001", "402802", "59.9", "06", "001", "402802", "59.9", "06", "001", "402802", "59.9", "06", "001", "402802", "59.9", "06", "001", "402802", "59.9", "06", "001", "402802", "59.9", "06", "001", "402802", "59.9", "06", "001", "402802", "59.9", "06", "001", "402802", "59.9", "06", "001", "402802", "59.9", "06", "001", "402802", "59.9", "06", "001", "402802", "59.9", "06", "001", "402802", "59.9", "06", "001", "402802", "59.9", "06", "001", "402802", "59.9", "06", "001", "402802", "59.9", "06", "001", "402802", "59.9", "06", "001", "402802", "59.9", "06", "001", "402802", "59.9", "06", "001", "402802", "59.9", "06", "001", "402802", "59.9", "06", "001", "402802", "59.9", "06", "001", "402802", "59.9", "06", "001", "402802", "59.9", "06", "001", "402802", "59.9", "06", "001", "402802", "59.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", "69.9", 
     ["Census Tract 4029, Alameda County, California", "1400000US06001402900", "70.8", "06", "001", "403000"]
["Census Tract 4030, Alameda County, California", "140000US06001402900", "77.5", "06", "001", "403000"],
["Census Tract 4031, Alameda County, California", "140000US06001403100", "71.9", "06", "001", "403100"],
["Census Tract 4033.01, Alameda County, California", "140000US06001403301", "78", "06", "001", "403301"],
["Census Tract 4033.02, Alameda County, California", "140000US06001403302", "68.9", "06", "001", "403302"]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STEP8
```

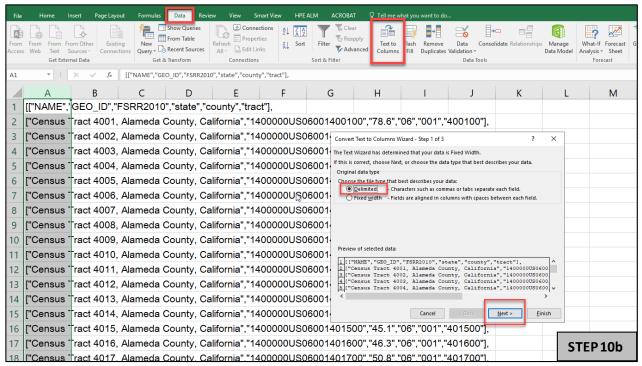
Step 9: Copy all of these results into MS Excel:

- a) Press Ctrl-A to select all contents on the page
- b) Press Ctrl-C to copy
- c) Paste into the first cell of MS Excel (Ctrl-V)

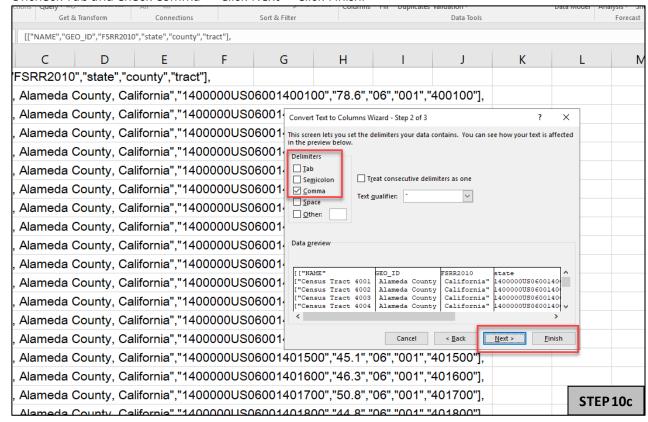


Step 10: Now convert the text to columns.

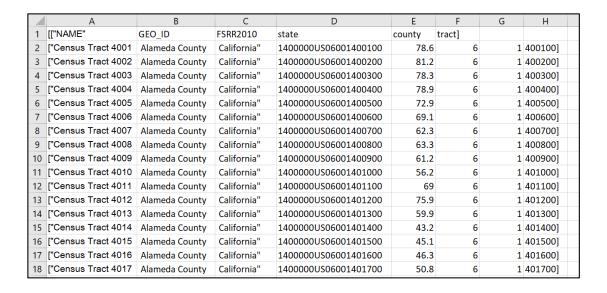
- a) Highlight column A.
- b) Click Data -> Click Text to Columns -> Select Delimited -> Click Next.



c) Uncheck Tab and Check Comma -> Click Next -> Click Finish.



Now, we have our table, but we need to move the header and clean up the quotation marks and brackets.



Step 11: To move the header:

a) Select B1 to F1, then drag it to H1



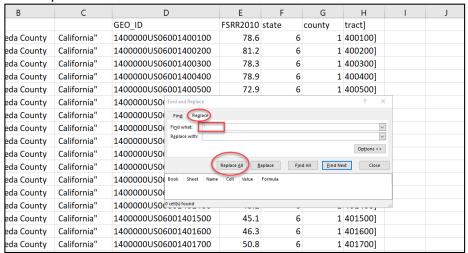
b) The header GEO_ID will be in D1.



Step 12: To remove the quotation marks and brackets:

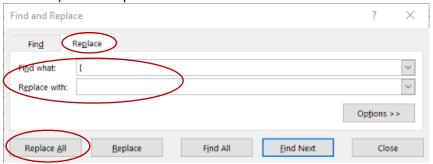
Quotation Marks

- a) Press Ctrl-F and click the Replace tab.
- b) Enter the following:
 - Find what: "
 - Replace: (leave this blank)
- c) Click Replace All



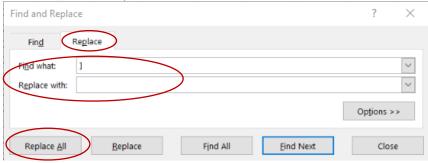
Left Brackets

- a) Press Ctrl-F and click the Replace tab.
- b) Enter the following:
 - Find what: [
 - Replace: (leave this blank)
- c) Click Replace All



Right Brackets

- a) Press Ctrl-F and Click the Replace Tab
- b) Enter the following
 - Find what:]
 - Replace: (leave this blank)
- c) Click Replace All



Now, we have our table for all census tracts in California.

